Medicinal Chemistry By Sn Pandeya

The approach to drug discovery from natural sources has yielded many important new pharmaceuticals inaccessible by other routes. In many cases the isolated natural product may not be an effective drug for any of several reasons, but it nevertheless may become a drug through chemical modification or have a novel pharmacophore for future drug design. In summarizing the status of natural products as cancer chemotherapeutics, Anticancer Agents from Natural Products, Second Edition covers the: History of each covered drug—a discussion of its mechanism on action, medicinal chemistry, synthesis, and clinical applications Potential for novel drug discovery through the use of genome mining as well as future developments in anticancer drug discovery Important biosynthetic approaches to "unnatural" natural products Anticancer Agents from Natural Products, Second Edition discusses how complex target-oriented synthesis—enabled by historic advances in methodology—has enormously expanded the scope of the possible. This book covers the current clinically used anticancer agents that are either natural products or are clearly derived from natural product leads. It also reviews drug candidates currently in clinical development since many of these will be clinically used drugs in the future. Examples include the drugs etoposide and teniposide derived from the lead compound podophyllotoxin; numerous analogs derived from taxol; topotecan, derived from camptothecin; and the synthetic clinical candidates, E7389 and HTI-286, developed from the marine leads, halichondrin B and hemiasterlin.

The present study was aimed at synthesizing isatin-5-sulphonamide derivatives are prepared by chlorosulphonation of isatin to prepare isatin-5-sulphonic acid chloride and it is subjected to reaction with different amines or anilines to form respective sulphonamide derivatives. The new compounds were characterized based on spectral (FT-IR, NMR and Mass) analysis. All the test compounds showed CNS depression while studying the gross behavioral changes. All the test compounds exhibited reduction in locomotor activity. Compound IIIf (R = p-toluidino) showed more reduction in the locomotor activity among all the test compounds. Compounds IIId, IIIc, IIIb, IIIa were next in the order of reduction of locomotor activity. The compounds were evaluated for anticonvulsant activity against maximum electric shock induced and Pentylenetetrazol (PTZ) induced seizures in mice using phenytoin as a standard.

The Qualified Success And General Appeal Of Medicinal Chemistry Is Not Only Confined To The Indian Subcontinent, But It Has Also Won An Overwhelming Popularity In Other Parts Of The World. Specific Care Has Been Taken To Maintain And Sustain The Fundamental Philosophy Of The Textbook Embracing Rigidly The Original Pattern And Style Of Presentation With A Particular Expatiated Treatment Of Synthesis Of Potential Medicinal Compounds For The Ultimate Benefits Of The Teachers And The Taught Alike.The Present Thoroughly Revised And Skilfully Expanded

Fourth Edition Essentially Contains Three New And Important Chapters, Namely : Molecular Modeling And Drug Design (Chapter 3), Adrenocortical Steroids (Chapter 24), And Antimycobacterial Agents (Chapter 26) So As To Make The Textbook More Useful To Its Readers.With The Advent Of Thirty Chapters The Present Updated Form Of Medicinal Chemistry Will Prove To Be An Asset For M. Pharm./B. Pharm. Degree Students, M. Sc. Pharmaceutical Chemistry, M.Sc. Applied Chemistry And M. Sc. Industrial Chemistry Throughout The Indian Universities.Medicinal Chemistry Appears As A Newly Designed And Artistically Presented In A Two-Colour Scheme So As To Facilitate A Distinctly More Effective Use Of The Book.This Highly Readable, Lucid, Handy, And Exceptionally Knowledgeable Textbook Will Definitely Win A Better, Bigger, And Confident Place For Itself Amongst Its Valued Readers.

The first edition of Comprehensive Medicinal Chemistry was published in 1990 and very well received. Comprehensive Medicinal Chemistry II is much more than a simple updating of the contents of the first edition. Completely revised and expanded, this new edition has been refocused to reflect the significant developments and changes over the past decade in genomics, proteomics, bioinformatics, combinatorial chemistry, high-throughput screening and pharmacology, and more. The content comprises the most up-to-date, authoritative and comprehensive reference text on contemporary medicinal chemistry and drug research, covering major therapeutic classes and targets, research strategy and organisation, high-throughput technologies, computer-assisted design, ADME and selected case histories. It is this coverage of the strategy, technologies, principles and applications of medicinal chemistry in a single work that will make Comprehensive Medicinal Chemistry II a unique work of reference and a single point of entry to the literature for pharmaceutical and biotechnology scientists of all disciplines and for many industry executives as well.Comprehensive Medicinal Chemistry II will be available online in 2007 via the proven platform ScienceDirect providing the user with enhanced features such as cross-referencing and dynamic linking. * Comprehensively reviews - for the first time in one single work - the strategies, technologies, principles and applications of modern medicinal chemistry * Provides a global and current perspective of today's drug discovery process and discusses the major therapeutic classes and targets * Includes a unique collection of case studies and personal assays reviewing the discovery and development of key drugs

Guanine rich DNA has been known for decades to form unusual structures, although their biological relevance was little understood. Recent advances have demonstrated that quadruplex structures can play a role in gene expression and provide opportunities for a new class of anticancer therapeutics. A number of quadruplex-specific proteins have also been discovered. Quadruplex Nucleic Acids discusses all aspects of the fundamentals of quadruplex structures, including their structure in solution and the crystalline state, the kinetics of quadruplex folding, and the role of cations in structure and stability. The biology of quadruplexes and G-rich genomic regions and G-quartets in supramolecular chemistry and

nanoscience are also considered. Surveying the current state of knowledge, and with contributions from leading experts, this is the first comprehensive review of this rapidly growing area. Quadruplex Nucleic Acids is ideal for researchers interested in areas related to chemistry, chemical biology, medicinal chemistry, molecular pharmacology, and structural and molecular biology.

Advances in Bioscience and Biotechnology Research is more inclined towards interdisciplinary studies. Recent developments in the technologies have led to a better understanding of living systems and this has removed the demarcations between various disciplines of life sciences. A new trend in life science incorporates Bitechnology and biological research involving a merger of diverse disciplines such as Isothermal Amplification Methods, A Comprehensive Review on Bioactive and Therapeutic Potential of Indian Nutmeg Myristica fragrans (Houtt), Plant Metabolic Engineering: Extension and Novel Pathway Engineering, Plant Mucilages and their Potential Applications – A Review, Microbial Biofuels – A Comprehensive view, Precision nutrition; a review on factors and applications, 1,3,4-Oxadiazoles 1,3,4-Thiadiazoles and 1,2,4-Triazoles as A Pharmacophore, A study on the microbial processing of natural rubber wastewater effluent from a rubber processing unit, Enrichment Analysis of the Gene SLC20A1, A Preliminary study on development of peat for mushroom cultivation from waste husk of tender coconut for women empowerment, Nanobioremediation - Its principle, applications, advantages and future aspects in pollution reduction, In vitro Propagation of some Important Orchids, Extraction and partial purification of beta amylase from Syzygium cumini fruits.

Written with the practicing medicinal chemist in mind, this is the first modern handbook to systematically address the topic of bioisosterism. As such, it provides a ready reference on the principles and methods of bioisosteric replacement as a key tool in preclinical drug development. The first part provides an overview of bioisosterism, classical bioisosteres and typical molecular interactions that need to be considered, while the second part describes a number of molecular databases as sources of bioisosteric identification and rationalization. The third part covers the four key methodologies for bioisostere identification and replacement: physicochemical properties, topology, shape, and overlays of protein-ligand crystal structures. In the final part, several real-world examples of bioisosterism in drug discovery projects are discussed. With its detailed descriptions of databases, methods and real-life case studies, this is tailor-made for busy industrial researchers with little time for reading, while remaining easily accessible to novice drug developers due to its systematic structure and introductory section.

This unique one-of-a-kind book is a comprehensive introduction to the theory and practice of Ayurveda, and discusses the practical use of therapies such as diet, exercise, yoga, meditation, massage, and herbal remedies. The book also includes detailed information on Ayurvedic pharmacology and pharmacy, clinical methods and examinations, and general

treatment protocols. Plus, a helpful section provides a comprehensive materia medica of 50 Indian herbs that include botanical descriptions, traditional Ayurvedic knowledge, constituent data and the latest medical research, as well as clinical indications, formulations, and dosages. Helpful full-color insert containing photos of the 50 herbs covered, alongside a ruler for scale, allows the reader to quickly identify herbs correctly. Includes useful appendices, including information on dietary and lifestyle regimens, Ayurvedic formulations, Ayurvedic weights and measures, glossaries on Ayurvedic terms, and medical substances. Unique contributions include a discussion of pathology, clinical methods, diagnostic techniques, and treatment methods from an Ayurvedic perspective.

A comprehensive analysis of state-of-the-art molecular modeling approaches and strategies applied to risk assessment for pharmaceutical and environmental chemicals This unique volume describes how the interaction of molecules with toxicologically relevant targets can be predicted using computer-based tools utilizing X-ray crystal structures or homology, receptor, pharmacophore, and quantitative structure activity relationship (QSAR) models of human proteins. It covers the in vitro models used, newer technologies, and regulatory aspects. The book offers a complete systems perspective to risk assessment prediction, discussing experimental and computational approaches in detail, with: * An introduction to toxicology methods and an explanation of computational methods * In-depth reviews of QSAR methods applied to enzymes, transporters, nuclear receptors, and ion channels * Sections on applying computers to toxicology assessment in the pharmaceutical industry and in the environmental arena * Chapters written by leading international experts * Figures that illustrate computational models and references for further information This is a key resource for toxicologists and scientists in the pharmaceutical industry and environmental sciences as well as researchers involved in ADMET, drug discovery, and technology and software development.

The primary objective of this 4-volume book series is to educate PharmD students on the subject of medicinal chemistry. The book set serves as a reference guide to pharmacists on aspects of the chemical basis of drug action. Medicinal Chemistry of Drugs Affecting the Nervous System is the second volume of the series and it presents 8 chapters focusing on a comprehensive account of drugs affecting the nervous system. The volume informs readers about the medicinal chemistry of relevant drugs, which includes the mechanism of drug action, detail structure activity relationships and metabolism as well as clinical significance of drugs affecting autonomic and central nervous system. Chapters in this volume cover cholinergic drugs, adrenergic drugs, antipsychotics, antidepressants, sedatives, hypnotics, anxiolytics, antiepileptic drugs, anesthetics and antiparkinsonian drugs, respectively. Students and teachers will be able to integrate the knowledge presented in the book and apply medicinal chemistry concepts to understand the pharmacodynamics and pharmacokinetics of therapeutic agents in the body. The information offered by the book chapters will give readers a

strong neuropharmacology knowledge base required for a practicing pharmacist.

Isatin (1H-indole-2, 3-dione) (I) was first discovered by Erdmann1 and Laurent2 in 1841, independently as a product from oxidation of indigo by nitric and chromic acids.

The 2nd World Congress on Geriatrics and Neurodegenerative Disease Research (GeNeDis 2016), focuses on recent advances in geriatrics and neurodegeneration, ranging from basic science to clinical and pharmaceutical developments and provides an international forum for the latest scientific discoveries, medical practices and care initiatives. Advanced information technologies are discussed concerning the various research, implementation and policy, as well as European and global issues in the funding of long-term care and medico-social policies regarding elderly people. This volume focuses on the sessions from the conference on computational biology and bioinformatics.

Synthesis of Medicinal Agents from Plants highlights the importance of synthesizing medicinal agents from plants and outlines methods for performing it effectively. Beginning with an introduction to the significance of medicinal plants, the book goes on to provide a historical overview of drug synthesis before exploring how this can be used to successfully replicate and adapt the active agents from natural sources. Chapters then explore the medicinal properties of a number of important plants, before concluding with a discussion of the future of drugs from medicinal plants. Illustrated with real-world examples, it is a practical resource for researchers in this field. In an age of rapid environmental destruction, hundreds of medicinal plants are at risk of extinction from overexploitation and deforestation, limiting the natural resources available for active agent extraction, thereby threatening the discovery of future cures for diseases. Simultaneously, with the increasing population and advances in medical sciences, the demand for drugs is continuously increasing and cannot be met with just plants. The ability to synthetically replicate the active compounds from these plants is essential in creating an ecologically-aware, sustainable future for drug design Includes detailed coverage of therapeutic compound synthesis Uses multiple real-world examples to support content Lays out a sustainable template for the future of developing active agents from natural products

Metal ions play an important role in analytical chemistry, organometallic chemistry, bioinorganic chemistry, and materials chemistry. This book, Descriptive Inorganic Chemistry Researches of Metal Compounds, collects research articles, review articles, and tutorial description about metal compounds. To perspective contemporary researches of inorganic chemistry widely, the kinds of metal elements (typical and transition metals including rare earth; p, d, f-blocks) and compounds (molecular coordination compounds, ionic solid materials, or natural metalloenzyme) or simple substance (bulk, clusters, or alloys) to be focused are not limited. In this way, review chapters of current researches are collected in this book.

Dr Alagarsamy's Textbook of Medicinal Chemistry is a much-awaited masterpiece in its arena. Targeted mainly to B. Pharm. students, this book will also be useful for M. Pharm. as well as M. Sc. organic chemistry and pharmaceutical chemistry students. It aims at eliminating the inadequacies in teaching and learning of medicinal chemistry by providing enormous information on all the topics in medicinal chemistry of synthetic drugs. Salient Features Contains clear classification, synthetic schemes, mode of action, metabolism, assay, pharmacological uses with the dose and structure–activity relationship (SAR) of the following classes of drugs: Drugs acting on inflammation Drugs acting on respiratory system Drugs acting on digestive system Drugs acting on blood and blood-forming organs Drugs acting on endocrine system Contains a complete section on chemotherapy and the various classes of chemotherapeutic agents. Also includes recent topics like anti-HIV agents Contains brief introduction about the physiological and pathophysiological conditions of diseases and their treatment under each topic Provides well-illustrated synthetic schemes and alternative synthetic routes for majority of drugs that help in quick and enhanced understanding of the subject Covers the syllabi of majority of Indian universities

A comprehensive guide to privileged structures and their application in the discovery of new drugs The use of privileged structures is a viable strategy in the discovery of new medicines at the lead optimization stages of the drug discovery process. Privileged Structures in Drug Discovery offers a comprehensive text that reviews privileged structures from the point of view of medicinal chemistry and contains the synthetic routes to these structures. In this text, the author—a noted expert in the field—includes an historical perspective on the topic, presents a practical compendium to privileged structures, and offers an informed perspective on the future direction for the field. The book describes the up-to-date and state-of-the-art methods of organic synthesis that describe the use of privileged structures that are of most interest. Chapters included information on benzodiazepines, 1,4-dihydropyridines, biaryls, 4-(hetero)arylpiperidines, spiropiperidines, 2-aminopyrimidines, 2-aminothiazoles, 2-(hetero)arylindoles, tetrahydroisoquinolines, 2,2-dimethylbenzopyrans, hydroxamates, and bicyclic pyridines containing ring-junction nitrogen as privileged scaffolds in medicinal chemistry. Numerous, illustrative case studies document the current use of the privileged structures in the discovery of drugs. This important volume: Describes the drug compounds that have successfully made it to the marketplace and the chemistry associated with them Offers the experience from an author who has worked in many therapeutic areas of medicinal chemistry Details many of the recent developments in organic chemistry that prepare target molecules Includes a wealth of medicinal chemistry case studies that clearly illustrate the use of privileged structures Designed for use by industrial medicinal chemists and process chemists, academic organic and medicinal chemists, as well as chemistry students and faculty, Privileged Structures in Drug Discovery offers a current guide to organic synthesis methods to access the privileged structures of interest, and contains medicinal chemistry case studies that document their application.

The Most Authentic Source Of Information On Higher Education In India The Handbook Of Universities, Deemed Universities, Colleges, Private Universities And Prominent Educational & Research Institutions Provides Much Needed Information On Degree And Diploma Awarding Universities And Institutions Of National Importance That Impart General, Technical And Professional Education In India. Although Another Directory Of Similar Nature Is Available In The Market, The Distinct Feature Of The Present Handbook, That Makes It One Of Its Kind, Is That It Also Includes Entries And Details Of The Private Universities Functioning Across The Country.In This Handbook, The Universities Have Been Listed In An Alphabetical Order. This Facilitates Easy Location Of Their Names. In Addition To The Brief History Of These Universities, The Present Handbook Provides The Names Of Their Vice-Chancellor, Professors And Readers As Well As Their Faculties And Departments. It Also Acquaints The Readers With The Various Courses Of Studies Offered By Each University.It Is Hoped

That The Handbook In Its Present Form, Will Prove Immensely Helpful To The Aspiring Students In Choosing The Best Educational Institution For Their Career Enhancement. In Addition, It Will Also Prove Very Useful For The Publishers In Mailing Their Publicity Materials. Even The Suppliers Of Equipment And Services Required By These Educational Institutions Will Find It Highly Valuable.

Advances in Anticancer Agents in Medicinal Chemistry is an exciting eBook series comprising a selection of updated articles previously published in the peer-reviewed journal Anti-Cancer Agents in Medicinal Chemistry. The second Volume of this eBook series gathers updated reviews on several classes of molecules exhibiting anticarcinogenic potential as well as some important targets for the development of novel anticancer drugs.

Carbohydrates in Drug Discovery and Development: Synthesis and Applications examines recent and notable developments in the synthesis, biology, therapeutic, and biomedical applications of carbohydrates, which is considered to be a highly promising area of research in the field of medicinal chemistry. Their role in several important biological processes, notably energy storage, transport, modulation of protein function, intercellular adhesion, malignant transformation, signal transduction, viral, and bacterial cell surface recognition formulate the carbohydrate systems to be an exceedingly considerable scaffold for the development of new chemical entities of pharmacological importance. In addition to their easy accessibility, high functionality and chiralpool characteristics are the few additional fascinating structural features of carbohydrates, which further enhance their utilities and thus they have been able to attract chemists and biologists toward harnessing these properties for the past several decades. This book covers an advanced aspect of carbohydrate-based molecular scaffolding, starting with a general introduction followed by a detailed discussion about the impact of diverse carbohydrate-containing molecules of great therapeutic values and their impact on drug discovery and development. The topics covered in this book include the significance of heparin mimetics as the possible tools for the modulation of biology and therapy, chemistry and bioactivities of C-glycosylated compounds, inositols, iminosugars, KDO, sialic acids, glycohybrids, macrocycles, plant oligosaccharides, anti-bacterial and anti-cancer vaccines, antibiotics, and more. • Presents a practical and detailed overview of a wide range of carbohydrate systems including KDO, sialic acids, inositols, iminosugars, etc relevant for drug discovery and development. • Highlights the use of functionalized carbohydrates as synthons for the construction of various systems. • Covers recent developments in the synthesis of various glycohybrid molecules and vaccines. • Highlights the significance of heparin mimetics as tools for the modulation of biology. • Provides an impact of glycan microarrays and carbohydrate– protein interaction.

This popular textbook for pharmacy students provides all the information they need to know about medicinal chemistry. The third edition features new layout and design in an attractive two-colour presentation. It contains clear classifications, synthetic schemes, modes of action, metabolism, assay, pharmacological uses with the dose and structure activity relationship (SAR) of the drugs for the various body systems. - Contains a complete section on drug design, describing the new drug development. - Includes an introduction to the physiological and pathophysiological conditions of diseases and their treatment. - Provides well-illustrated synthetic schemes and alternative synthetic routes for the majority of drugs. - Additional physico-chemical parameters have been explained.

The Book Entitled, An Introduction To Drug Design Aims To Optimize The Discovery Of Drugs At A Low Cost And On Occasions To Change Their Pharmacokinetic And Pharmacodyanamic Properties. The Introductory Chapter Which Forms The Basis Of Drug Discovery Is Followed By The Present-Day Thinking Regarding The Best Approaches To Drug Discovery Are Considered. Similarly, There Have Been Major Advances In The Employment Of Computers In Structure-Activity Analysis, And A Discussion Of The State Of The Art In This Area Is Also Included.The Chapter On Qsar Highlights The Role Of Physico-Chemical Parameters In Predicting The Future Course Of Drug Discovery

With Rational Drug Design. The Role Of Enzymes In Drug Action Is Well Established, And A Chapter On Design Of Enzyme Inhibitors Is Well Documented. In Addition, The Increased Understanding Of The Design And Utilisation Of Prodrugs Has Led To A Discussion Of The Relevant Issues In This Text.Thus The Book Will Fill The Need Of A Text For Designing New Drugs And The Principles Of New Drug Discovery.

The Textbook of Medicinal Chemistry is a much-awaited masterpiece in its arena. Targeted mainly to B. Pharmacy students, book would also be useful for M. Pharmacy as well as M.Sc. Organic Chemistry/Pharmaceutical Chemistry students. It aims at eliminating the inadequacies in teaching and learning of medicinal chemistry by providing enormous information on all the topics in medicinal chemistry of synthetic drugs. About the Author : - Prof. Dr. V. Alagarsamy, M. Pharm., Ph.D., FIC., D.O.M.H., is Professor and Principal of MNR College of Pharmacy, Gr. Hyderabad, Sangareddy. He has been teaching Medicinal Chemistry and performing research work in Synthetic Medicinal Chemistry on novel heterocyclic bioactive compounds for more than a decade. His research activities are collaborated with various research laboratories/organisations like National Cancer Institute, USA; Rega Institute for Medical Research, Belgium and Southern Research Institute, USA. He is a recipient of Young Scientist award from the Department of Science and Technology, New Delhi. His research publications in journals and presentations in conferences, put together, exceed hundred. His research activities are supported by the funding agencies like CSIR, DST and DSIR. He is a doctoral committee member and recognized Research guide for Ph.D. students in various universities.

Frontiers in Computational Chemistry presents contemporary research on molecular modeling techniques used in drug discovery and the drug development process: computer aided molecular design, drug discovery and development, lead generation, lead optimization, database management, computer and molecular graphics, and the development of new computational methods or efficient algorithms for the simulation of chemical phenomena including analyses of biological activity. The fourth volume of this series features four chapters covering natural lead compounds, computer aided drug discovery methods in Parkinson’s Disease therapy, studies of aminoacyl tRNA synthetase inhibition in bacteria, computational modeling of halogen bonds in biological systems and molecular classification of caffeine and its metabolites.

One strategy to expedite the discovery of new drugs, a process that is somewhat slow and serendipitous, is the identification and use of privileged scaffolds. This book covers the history of the discovery and use of privileged scaffolds and addresses the various classes of these important molecular fragments. The first of the benzodiazepines, a class of drugs that is powerful for treating anxiety, may not have been discovered had it not been for a chance experiment on the contents of a discarded flask found during a lab clean-up. Some years later, scientists discovered that benzodiazepine derivatives were also effective in treating other diseases. This class of molecules was the first to be described as privileged in the sense that it is especially effective at altering the course of disease. Other privileged molecular structures have since been discovered, and since these compounds are so effective at interacting with numerous classes of proteins, they may be an effective starting point to look for new drugs against the supposedly “undruggable” proteins. Following introductory chapters presenting an overview, a historical perspective and the

theoretical background and findings, main chapters describe the structure of privileged structures in turn and discuss major drug classes associated with them and their syntheses. This book provides comprehensive coverage of the subject through chapters contributed by expert authors from both academia and industry and will be an excellent reference source for medicinal chemists of a range of disciplines and experiences.

Currently ethnobotany has been a subject of wide interest for research in developing and developed countries. The book has been dedicated to the doyen of Indian ethnobiology, Dr. S.K. Jain, FNA, popularly known as 'Father of Indian Ethnobotany'. The book comprises very important articles written by notable ethnobiologists/ botanists on different aspects of ethnobotany. The book would certainly be useful to the students, researchers and teachers working on various aspects of ethnobotany and helpful to various pharmaceutical industries in exploring plants for preparation of new drugs.

Based on "The Virtual Conference on Chemistry and its Applications (VCCA-2020) – Research and Innovations in Chemical Sciences: Paving the Way Forward" held in August 2020 and organized by the Computational Chemistry Group of the University of Mauritius. The chapters reflect a wide range of fundamental and applied research in the chemical sciences and interdisciplinary subjects.

Dr S N Pandey Has Been Teaching At Dav College, Kanpur Since 1966. He Has Published Several Research Papers In Various Journals. He Is Editor Of Research Journal Of Plant And Environment And Advances In Applied Phycology (2 Vols). Dr Pandey Has Co-Authored Plant Physiology, Practical Botany (3 Vols) And Advances In Botany (3 Vols). He Is General Secretary Of The International Society For Plant And Environment. He Has Attended International Conferences In Uk, Germany, France, Italy, Austria, Switzerland, Usa And Canada.

An Introduction to Drug DesignNew Age International

This book is the direct outcome of the Mizoram Science Congress 2016, held on 13 and 14 November 2016.

Annual Reports in Medicinal chemistry continues to be the premier source for reviews of seminal aspects of medicinal chemistry, providing timely and critical reviews of the important topics in medicinal chemistry today.

With contributions by numerous experts

Essentials of Physical Chemistry is a classic textbook on the subject explaining fundamentals concepts with discussions, illustrations and exercises. With clear explanation, systematic presentation, and scientific accuracy, the book not only helps the students clear misconceptions about the basic concepts but also enhances students' ability to analyse and systematically solve problems. This bestseller is primarily designed for B.Sc. students and would equally be useful for the aspirants of medical and engineering entrance examinations.